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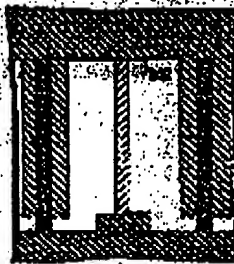
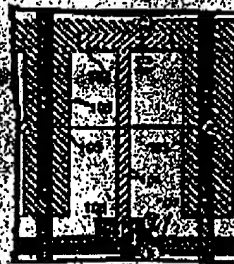
KONDO KATSUMI

(54) ACTIVE MATRIX TYPE LIQUID CRYSTAL DISPLAY DEVICE AND ITS MANUFACTURE

(57) Abstract:

PROBLEM TO BE SOLVED: To remarkably expand the tolerance for aligning upper and lower substrates by enhancing the opening ratio in a liquid crystal display device driven by an electric field almost parallel with the surface of the substrate.

SOLUTION: In this active matrix type liquid crystal display device, a display electrode 104, a reference electrode 105, a scanning signal line 102, a video signal line 103 and an active element are provided in each pixel area of surfaces of liquid crystal layer sides of transparent substrates disposed to face oppositely each other via a liquid crystal layer and light beams transmitting the liquid crystal layer are modulated by generating the electric field parallel with the transparent substrates in the liquid crystal layer by a voltage to be impressed between the display electrode 104 and the reference electrode 105. Then, the device has the reference electrode 105 adjacently arranged to the video signal line 103, has an insulated layer between the video signal line 103 and the adjacently arranged reference electrode 105 and also has a structure in which the video signal line 103 and the reference electrode 105 have a superposed part and a light shielding layer 202 is arranged only in the direction parallel with the scanning signal line 102 in the pixel display area.



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